MVS - Mini Video Speaker

Mini Clock Radio Night Vision Hidden Camera

User Manual

GETTING STARTED - - -

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Components

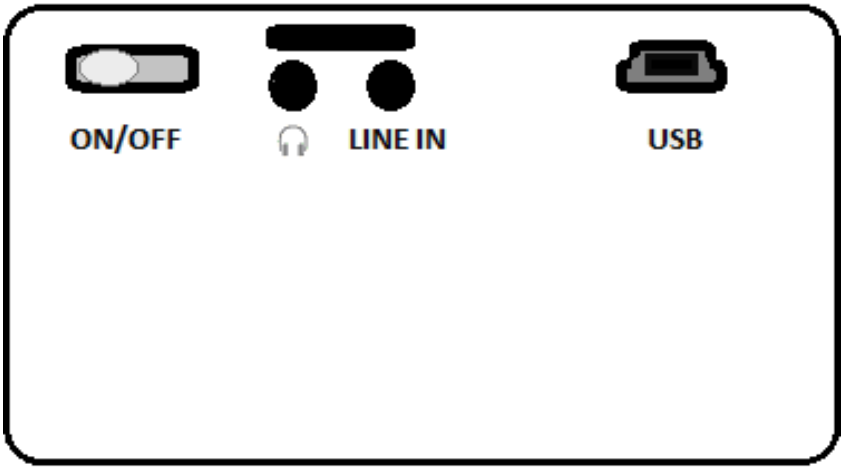
- MVS device with rechargeable battery
- USB and audio cables
- Headphones
- USB charging unit
- User Manual

Features

- Functions independently as a clock, radio or MP3 player
- Works as an external speaker for portable or cellular devices when attached with audio cable
- Allows picture browsing for .JPG files and video streaming for MP4/3GP/AVI/ASF format videos
- Video compression provides surveillance recording for up to 32 Days on a 32GB Micro SD memory card with MPEG4 file production
- Infrared night vision surveillance
- Quality audio at 3 watts speaker power and video streaming at 30 frames per second
- Plug-in for continual power supply and loop recording
- Unplug with a fully powered rechargeable battery for continual loop recording up to 8 hours
- Playback on LCD screen or PC
- Portable Size (3"x 2"x 2")
- Motion-activated recording and infrared night vision
- Hidden video and audio surveillance menu
- 320*240/640*480 video resolution and image resolution up to 2 mega pixel
- Blue LCD panel on bottom is continually lit when the product is turned on

Powering Up the Device

Plug the USB cable into the back of the MVS device via the small USB port and attach the cord to the external power supply (USB charging unit) via the larger USB port. Plug the external power supply (USB charging unit) into an electrical outlet and wait for the battery to begin charging.



1. Back of the MVS device

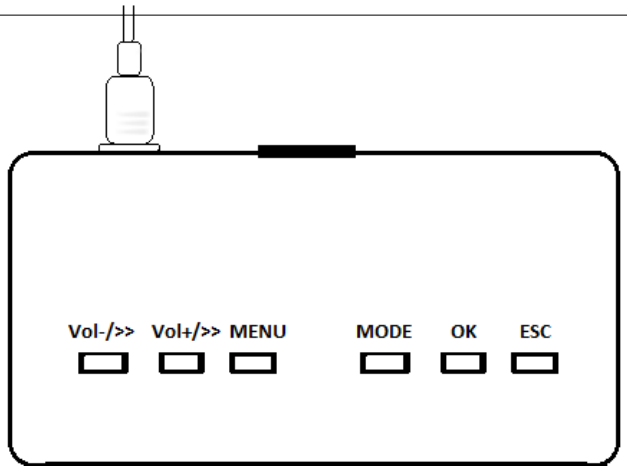
You may allow the device to charge until fully charged and begin programming when finished –or– as the device charges, switch the power to ON and wait for the blue LCD light to illuminate the bottom panel of the MVS device to show that the power is on. The blue LCD light is always on, and may not be changed nor does it indicate level of battery power available.

When fully charged as indicated by the battery icon being fully blue to the upper left on the MVS device screen, you may remove the device from the charger or continue using the direct power source. If using battery power alone, the battery icon will have a diminishing blue fill eventually resulting in an empty yellow outline indicating a low battery.

Micro SD Memory Card for Data Storage

On the back of the MVS device, you will see a slot above the Headphone and Line In ports. Place the Micro SD memory card (up to 32GB), text facing upwards, into the slot and push in until it clicks into place. To remove or replace the Micro SD memory card, simply push in until it clicks in/out of place.

Button/Menu Options



Buttons for Menu selections are located on top of the MVS device:

VOL-/|<<	Volume decrease / Previous on Menu / Fast backward
VOL+/>>|	Volume increase / Next on Menu / Fast forward
MENU	Menu / Mute
MODE	Mode switch
OK	Confirm Menu selections
ESC	Go back / Turn off display

Finding and Accessing the Hidden Camera

To access the Surveillance Camera Menus:

VOL-/|<< and VOL+/>>| Initiates the Hidden Function Menu when pressed down together for 3 seconds

1. Back of the MVS device

Programming and Using the MVS Device

The MVS Welcome Screen will appear after you switch the power to ON and you may begin programming the device using the top VOL buttons to navigate illustrated menu selections (left to right) such as the Audio Player, Video Player, Picture View, Radio, LINE IN and System Setup. Once the desired selection is found, click the OK button and proceed with menu actions.

To access the illustrated menu when the clock is on standby, press the MODE button. Any time that a selection is made and no further operations are processed, the menu will revert back to clock mode after about 12 seconds of idle time. To return to menu options, press the MENU button.

Set the Language

To set the language, use the VOL buttons to select the System Setup icon (last on the right) of the main menu and click OK. Next, select the Language icon and press the OK button. Here you can select either English 英語 or Simple Chinese by navigating with the VOL buttons and then pressing OK. You will receive a Success message and return to the previous menu.

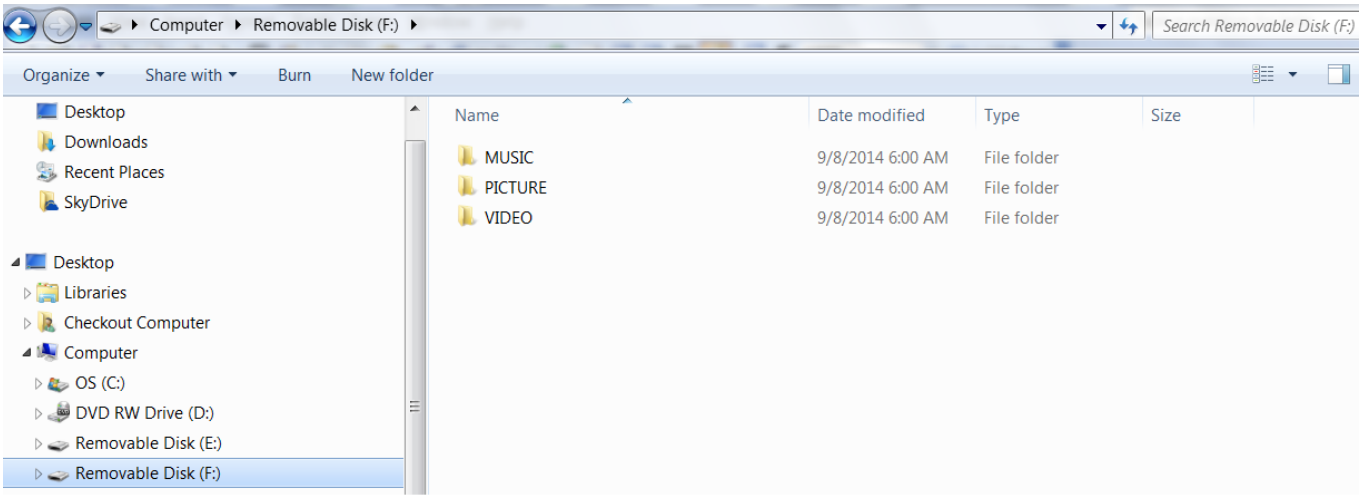
Set the Time and Date

To set the time and date, use the VOL buttons to select the System Setup icon (last on the right) of the main menu and click OK. Next, select the Time icon and press the OK button. Here you will see the Date listed with a yellow arrow pointing to changeable values. Use the VOL buttons to adjust the year. After you have found the correct value for the year, press the MENU button. Now, you can adjust the Date Format by pressing the VOL buttons. Press the MENU button after selecting the desired format.

Select the 12-hour or 24-hour format by using the VOL buttons and press the MENU button. Continue by adjusting the time values, by using the VOL buttons, starting with minutes and then press the MENU button to set the hour value, by using the VOL buttons, followed again by pressing the MENU button. Next, select the day and month by using the VOL buttons, followed by pressing the MENU button. Press the OK button. You will receive a Success message and return to the previous menu.

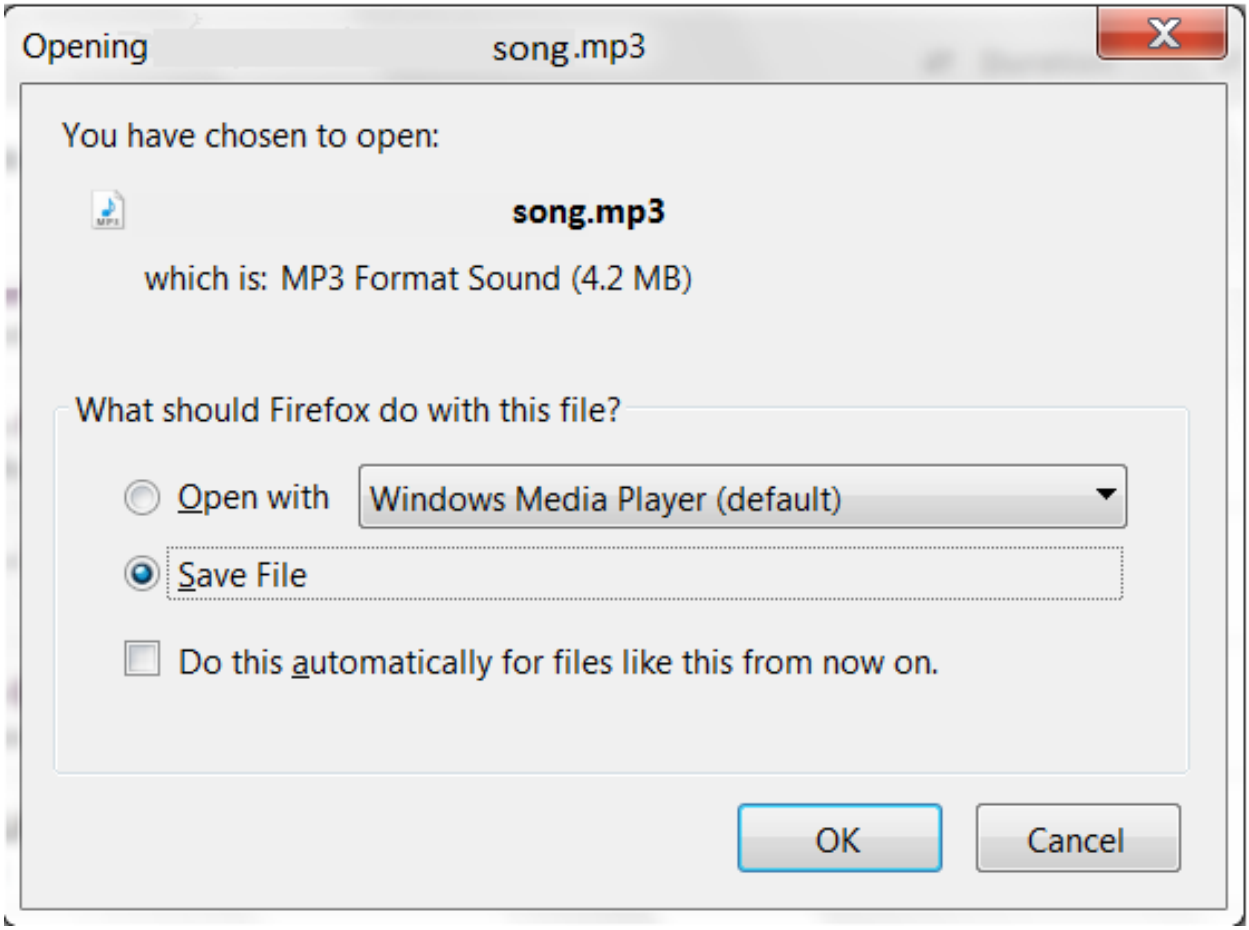
Accessing, Adding and Deleting Files

To access files on the MVS device, connect the MVS device by USB to a computer and go to MY DOCUMENTS. The device will show up as a Removable Disk with Music, Picture and Video folders. Each folder contains files as stored on the MVS device's Micro SD card.



4. Removable Disk with folders

Click on the files to view contents, or drag and drop files from elsewhere on the computer to add them to the Micro SC card so that they may be accessed through the MVS device. It is also possible to directly download files to the device while it is connected to a computer by having files sent to the desired folders as they are selected for download. After you click the Download button, you will be prompted with a new Window that requires you to select the Save File option. Save the file to the Removable Disk location (MVS device) to the MUSIC folder that may later be reorganized with subfolders for playlists.



5. Download pop-up with Save File selected

Audio Player

After locating the Audio Player icon (first of the icons to the left) on the illustrated menu of the LCD screen, click OK. Next you will see a list of audio files and may use the navigation buttons to find a file and begin playing the file after clicking the OK button. The audio player enables continuous loop play of any audio files on the Micro SD memory card. To leave the Audio Player, you may select Exit from the drop down menu or click the ESC button twice to return to the main menu at any time.

Unless you have organized your music files in folders (playlists) that appear to the left side of the Audio Player screen, enabling you to select one of the playlists, the files will all show to the right and play in a sequence as listed after clicking the OK button when selecting the audio file to begin. To access audio files by PC/MAC, simply plug the USB cable into a computer and manipulate files through MY DOCUMENTS. The MVS device should appear immediately upon connection as a separate drive and allow you to drag and drop such files. While in the Audio Player, you may press the MENU button to make menu selections using the VOL buttons to navigate selections. Drop down menu items for the Audio Player application:

Loop Mode > Current	Plays the currently selected audio file in a continuous loop
OR All	Plays all audio files in a continuous loop
OR Random	Plays a random selection of audio files in a continuous loop
Delete Files > Current	Deletes the currently selected audio file
OR All	Deletes all audio files
EQ Mode > Normal	Normal audio equalizer settings (standard)
OR DBB	Dynamic Bass Boost
OR Rock	Equalizer settings for Rock music
OR Jazz	Equalizer settings for Jazz music
OR Pop	Equalizer settings for Pop music

Video Player

After using the VOL buttons on top of the MVS device to select the Video Player icon (second to right), click OK. Next you will see a list of video files and may use the navigation buttons to select a file and begin playing the file by clicking OK. Manipulate files by attaching the USB to a PC/MAC and accessing MY DOCUMENTS. The MVS device should appear immediately upon connection as a separate drive and allow you to drag and drop such files.

Only MP4, 3GP, AVI and ASF video files may be used with this device. To access the drop down menu, press the MENU button. Use the VOL buttons to navigate menu options. When you have found the menu item you are looking for, press the OK button and make further selections in the same manner. To exit the Video Player, click the ESC button and return to the main menu.

Drop down menu items for the Video Player application:

Display Mode > List	Video files to be viewed in a list (only option)
Loop Mode > Current	Plays the currently selected video file in a continuous loop
OR All	Plays all video files in a continuous loop
OR Random	Plays a random selection of video files in a continuous loop
Delete Files > Current	Deletes the currently selected video file
OR All	Deletes all video files
Exit	Exits the Video Player application

Picture View

Locate the Picture View icon (third to right) by using the VOL buttons on top of the MVS device to select the Picture View menu item. Access the selected application by clicking OK. Thumbnails of the images will appear to the left and a list of files to the right. Navigate to the file that you would like to view by using the VOL buttons and then click OK to open the file. To return to the previous screen, press the ESC button once.

To access drop down menu features, press the MENU button. Use the VOL buttons to navigate menu options. When you have found the menu item you are looking for, press the OK button and make further selections in the same manner.

Drop down menu items for the Picture View application:

Display Mode > List	Picture files to be viewed in a list
OR Slides > 1s	Picture files to be viewed as a slideshow, 1 second per image
OR 2s	Picture files to be viewed as a slideshow, 2 seconds per image
Delete Files > Current	Deletes the currently selected picture file
OR All	Deletes all picture files
Exit	Exits the Picture Viewer application

Radio

Locate the Radio icon (fourth to right) by using the VOL buttons on top of the MVS device to select the Radio menu item. Access the selected application by clicking OK. There is no additional menu feature for the Radio application. Press the ESC button to exit radio function and return to the main interface at any time.

Insert earphones or insert audio line into LINE IN port. Press the MODE button and as indicator on the volume bar turns into blue, it is in the second function mode. Press MODE again to back to normal mode. Adjust settings by pressing the VOL buttons.

Normal mode:
Press MENU to enter FM mode options, including channel search, automatic search and manual search.

Channel search mode:
Press VOL button to choose a radio station and then OK to save the current radio station.

Automatic search mode:
Press OK button to search radio stations automatically.

Manual search mode:
Press VOL button to decrease or add frequency and press OK to save the current radio frequency setting.

Second function mode:
Press VOL button to adjust the volume. Press OK button to mute.

System Setup

Access Available Disc Space

To view available disc space, use the VOL buttons to select the System Setup icon (last on the right) of the main menu and click OK. Next, select the Memory icon and press the OK button. Here you view your SD capacity with used and unused data values. If you would like to reformat the files, make sure that the Format selection is highlighted (red text) and press the OK button. Next you will get a pop-up window that asks you to select either OK or Cancel by pressing the VOL buttons and then OK. Wait for the Micro SC card to reformat and then press the ESC button to return to the previous menu.

Reset to Default Settings

To set the language, use the VOL buttons to select the System Setup icon (last on the right) of the main menu and click OK. Next, select the Default icon and press the OK button. Here you can reset the device back to default settings by using the VOL buttons to select YES and then pressing the OK button. Wait for the settings to reset and automatically return to the previous menu.

Additional Features

Night-vision record

Access the Monitor Settings menu of the hidden interface. To access this menu, press VOL keys together for 3 seconds and navigate to the DV Settings icon. Press the OK button. Use the VOL keys to navigate to the Camera icon (middle) and press the OK button. Press the OK button again to access the Camera selections. Navigate to the Camera Night Mode selection by using the VOL buttons and press the OK button. Set to On or Off and press the OK button again. Press the ESC button to return to the previous menu.

When in the hidden interface, use the VOL keys to navigate to the DV Mode option and press the OK button. Set to DV Night Mode and press the OK button. Press the ESC button to return to the previous menu.

Infrared

Access the Monitor Settings menu of the hidden interface. To access this menu, press VOL keys together for 3 seconds and navigate to the DV Settings icon. Press the OK button. Use the VOL keys to navigate to the Camera icon (middle) and press the OK button. Press the OK button again to access the Camera selections.

Navigate to the Camera IR LED selection by using the VOL buttons and press the OK button. Set to On, Auto or Off and press the OK button again. Press the ESC button to return to the previous menu.

Loop record

When the Micro SD card is full, the oldest one or several files are automatically deleted to release the space for continue video recording.

Access the Monitor Settings menu of the hidden interface. To access this menu, press VOL keys together for 3 seconds and navigate to the DV Settings icon. Press the OK button.

For Video loop mode, use the VOL keys to navigate to the DV icon (first on left) and press the OK button. Press the OK button again to access the DV selections. Navigate to the various selections by using the VOL buttons and press the OK button. Set to On or Off in the Video Loop Record option and press the OK button again. Press the ESC button to return to the previous menu.

For Audio loop mode, use the VOL keys to navigate to the Audio icon (last to right) and press the OK button. Press the OK button again to access the Audio selections. Navigate to the various selections by using the VOL buttons and press the OK button. Set to On or Off in the Audio Loop Record option and press the OK button again. Press the ESC button to return to the previous menu.

Continuous Power Supply Option

Plugged in, this machine may continuously record video without the limitation of battery capacity.

Motion Detection Recording

Access the Monitor Settings menu of the hidden interface. To access this menu, press VOL keys together for 3 seconds and navigate to the DV Settings icon. Press the OK button. Use the VOL keys to navigate to the DV Mode option and press the OK button. Set to Motion Detection Mode and press the OK button. Press the ESC button to return to the previous menu.

Automatic Recording

Access the Monitor Settings menu of the hidden interface. To access this menu, press VOL keys together for 3 seconds and navigate to the DV Settings icon. Press the OK button. Use the VOL keys to navigate to the Auto Record option and press the OK button. Set to On or Off and press the OK button. Press the ESC button to return to the previous menu.

Webcam Operation

When the device is connected to a computer by USB, press the VOL buttons together for 3 seconds to retrieve the hidden menu. Navigate to the Webcam icon by using the VOL buttons and press the OK button. The webcam will automatically begin working as directed by the webcam software installed on the computer.

Still Camera

Access the Monitor Settings menu of the hidden interface. To access this menu, press VOL keys together for 3 seconds and navigate to the DV Settings icon. Press the OK button. Use the VOL keys to navigate to the Camera icon (second to right) and press the OK button. To take a picture, press the OK button to capture an image as seen in the viewer.

Audio Recorder

Access the Monitor Settings menu of the hidden interface. To access this menu, press VOL keys together for 3 seconds and navigate to the DV Settings icon. Press the OK button. Use the VOL keys to navigate to the Audio icon (third to right) and press the OK button. To begin recording, press the MODE button and then the OK button. As recording begins, the center dot will turn to red. To end recording, press the OK button

Turn Off Screen Display

Press ESC button for 3 seconds and the LCD display will be turned off. Press any key again and the screen display will power on

Specifications

Video decode	MP4/3GP/AVI/ASF; Video encode MPEG4
Audio decode	MP3/WMA/WAV/AAC; Audio encode AAC
Video resolution	320*240/640*480
Video frame rate	30fps
Image format	JPG
Image resolution	Up to 2M Pixel
Speaker power	3W
LED Resolution	320*240, QVGA
Storage capacity	Micro-SD card Support Up to 32GB
Interface type	MINI 5 pins USB, USB 1.1/2.0
IR LED	Wavelength 940nM
Battery	1000mAH, Compatible with Nokia Li Battery BL-5C
Charging voltage	DC-5V
Working temperature	-10°C - 60°C
Operating Humidity	20-80%RH
Storage temperature	-10°C - 70°C

Precautions

- Strictly observe relevant laws as this product cannot be used for any illegal purpose. The user is responsible for any legal matters.
- The maximum life of the battery will diminish if not used for a long time so recharge it before use or storage.
- Micro-SD card real capacity may be slightly less than the nominal value. If the capacity of the card is abnormal, format the card.
- This product is a non-professional device so the security and integrity of the internal files are not under warranty. Please backup important files to another device.

Frequently Asked Questions (FAQs)

How do I get audio and video to record at the same time?

Access the Monitor Settings menu of the hidden interface. To access this menu, press VOL keys together for 3 seconds and navigate to the DV Settings icon. Press the OK button. Use the VOL keys to navigate to the end of the settings list. Make sure that the DV Audio setting is set to ON. If not, select the DV Audio option and press the OK button. Navigate to the On option by pressing VOL keys. Once On is highlighted in blue, press OK. To begin recording, return to the hidden interface and select the DV option on the far left. Recording will begin in 5 seconds.

How do I activate recording?

To begin recording, go to the hidden interface by pressing VOL keys together for 3 seconds. Select the recording option (DV, Camera or Audio) and press the OK button to begin recording. Recording will begin in 5 seconds after selected and the interface will dim as the clock reappears.

Does the blue light stay on?

Yes, any time the device is powered on, the blue LCD panel on bottom will be lit.

How do I unfreeze the device?

Press the ESC button. Wait a few seconds to see if the device unfreezes. Try this again. If the ESC button does not return to the menu, so that you may resume activity, turn the power to Off and restart the device.

Why is there unexpected interference?

If attached to a continual power supply, make sure that the USB is securely plugged into an electrical source with cable completely connected to device. Press the cable in if any loosening has occurred. Also ensure that the power button is pressed all the way to On.